

# PORTABLE DIAL GAUGE CALIBRATOR KIT FOR USE WITH 1/4% ACCURACY TEST GAUGES

## DWT1327D



- ✓ Portable—Weighs Less than 40 lb
- ✓ 1/4% Accuracy When Used with OMEGA® Test Dial Gauges
- ✓ 2-Stage Hydraulic Pump
- ✓ Vernier Screw Adjustment
- ✓ Rugged Metal Case Holds Up to 4 Dial Gauges

A portable pressure standard with 1/4% accuracy dial gauges, the DWT1327D test set is ideal for field testing or remote in-plant applications. It consists of a 2-stage hydraulic pump and a manifold that is pressurized during operation. The pump features a shuttle valve that increases the speed of pressure buildup and makes it easier to use the pump handle. The manifold has 2 connections: one for a 4 1/2" PGT-45L solid-front test dial gauge (1/4% dial gauge span accuracy), the other for most standard-size dial gauges.

### SPECIFICATIONS

#### TEST SET

**Accuracy:** 1/4% of dial gauge span

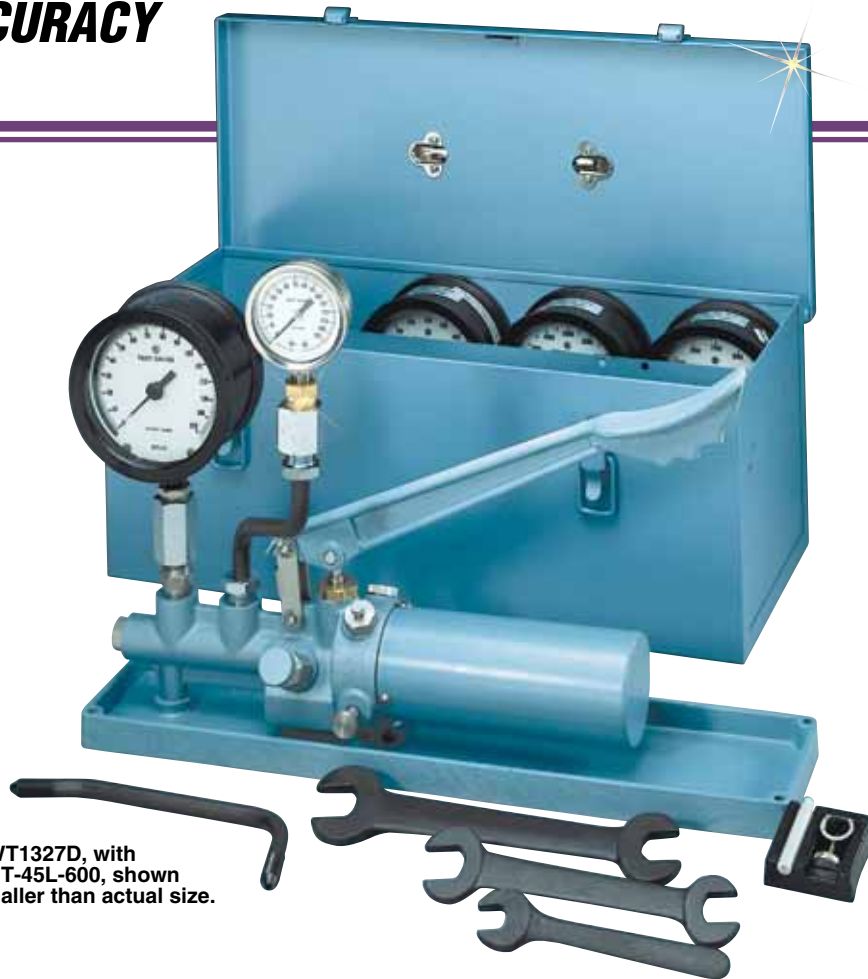
**Operating Pressure:** 0 to 10,000 psi (0 to 70,000 kPa) max

**Body Material:** Aluminum alloy

**Operating Fluid:** SAE 20 automotive or machine oil

**O-Ring:** Standard Buna-N

**Reservoir Volume:** Approximately 0.7 liter (1.5 pints)



DWT1327D, with PGT-45L-600, shown smaller than actual size.

#### Included Accessories:

Complete test set includes 2-stage hydraulic pump with base; 3 wrenches for dial gauge installation and removal; spare O-rings; all piping, fittings, and 1/4 and 1/2 NPT adaptors; rugged metal carrying case that holds up to 4 test dial gauges; and operator's manual

#### TEST DIAL GAUGES

**Type and Size:** PGT-45L 4 1/2" test dial gauges, visit [omega.com](http://omega.com)

**Accuracy:** 1/4% of dial gauge span  
**Bourdon Tube Materials:** Monel®

**To Order Visit [omega.com/dwt1327d](http://omega.com/dwt1327d) for Pricing and Details**

MODEL NO.	DESCRIPTION
DWT1327D	Portable dial gauge calibration kit

#### 1/4% TEST DIAL GAUGES 4 1/2" DIAL SIZE (Order Test Dial Gauges Separately)

MODEL NO.	RANGE (psi)	GRADUATIONS	
		MAJOR	MINOR
PGT-45L-100	0 to 100	5	0.5
PGT-45L-600	0 to 600	50	2
PGT-45L-1000	0 to 1000	50	5
PGT-45L-5000	0 to 5000	500	20
PGT-45L-10,000	0 to 10,000	500	50

**Note:** Test dial gauges are available with ranges from 15 to 10,000 psi; visit [omega.com](http://omega.com) for additional ranges.

Comes complete with pump, wrenches, spare o-rings, piping, fittings and NPT adaptors, rugged carrying case, and operator's manual.

**Ordering Example:** DWT1327D, portable dial gauge calibration kit, plus 4 test dial gauges (order separately): PGT-45L-100 (100 psi range), PGT-45L-600 (600 psi range), PGT-45L-1000 (1000 psi range) and PGT-45L-5000 (5000 psi range).